

KRASAVTSEV, N.I. (Donetsk); CHEKIN, B.V. (Donetsk); CHEKIN, V.V. (Donetsk)

Using the magnetic method to determine the reducibility of iron
ores. Izv. AN SSSR. Otd. tekhn. nauk. Met. i gor. delo no.4:
35-38 Jl.-Ag '63. (MIRA 16:10)

KOROSTIK, P.O.; KOTEL'NIKOV, I.V.; PANEV, G.A.; KRASAVTSEV, N.I.; SOLDATKIN, A.I.;
POPOV, N.N.; DUMAYEV, N.Ye.; YAROSHEVSKIY, S.L.

Blast furnace smelting with coke made of a charge having an increased
content of gas coal. Met.i gornorud. prom. no.6:7-10 N-D '63.
(MIRA 18:1)

BELEVTSOV, G.A.; GAVRILENKO, N.G.; GRINENKO, I.M.; KOROSTIK, P.O.;
KOTEL'NIKOV, I.V.; KRASAVTSEV, N.I., kand. tekhn. nauk;
MISHCHENKO, N.M.; POPOV, N.N., kand. tekhn. nauk; SEMIK, I.P.,
kand. tekhn. nauk; TOTSKIY, G.P., kand. tekhn. nauk; SHESTOPALOV,
I.I.; Prinimali uchastiye: SOLDATKIN, A.I.; SOLOMKO, V.P.;
SOLOMATIN, A.M.; BOLOTSKIY, D.V.; ZAPOROZHETS, N.P.;
BESSCHASTNYY, A.Ye.; SHVETS, N.Kh.; LIKHUNIN, S.D.; SHUMSKIY, L.B.;
VAS'KOVICH, N.A.; YEROKHINA, A.I.; GELYUKH, B.A.

Desulfuration of pig iron in a fast-revolving and continuous
drum. Met. i gornorud. prom. no.4:3-5 Jl-Ag '65.
(MIRA 18:10)

TUMANOV, I.I.; KRASAVTSEV, O.A.

Frost resistance of woody plants. Fiziol.rast.2 no.4:320-333 Jl-
Ag'55. (MJRA 8:12)

I. Institut fiziologii rasteniy imeni K.A.Timiryazeva Akademii nauk
SSSR, Moscow
(Plants--Frost resistance)

KRASAVTSEV, O.A.

Acad Sci USSR. Inst of Plant Physiolog imeni K.A. Timiryazev.

KRASAVTSEV, O.A.: "The conditions of formation of the branched and large spikes of soft spring wheat in connection with aspects of metabolism." Acad Sci USSR. Inst. of Plant Physiology imeni K.A. Timiryazev. Moscow, 1956
(Dissertation for the Degree of Candidate in Biological Sciences)

SO: Knizhnaya Letopis', No. 20, 1956.

KRASAVTSEV, O.A.

KRASAVTSEV, O.A.

Microscopic study of botanical objects at very low temperatures [with
summary in English]. Fiziol. rast. 4 no.6:570-572 N-D '57.

(MIRA 10:12)

I. Institut fiziologii rasteniy im. K.A. Timiryazeva AN SSSR, Moskva.
(Microscopy)

TUMANOV, I.I.; KRASAVTSEV, O.A.

Hardening northern arboraceous plants by subjecting them to
negative temperatures. Fiziol.rast. 6 no.6:654-667 N-D '59.
(MIRA 13:4)

I. K.A.Timiriazev Institut of Plant Physiology, U.S.S.R.Academy
of Sciences, Moscow.
(Plants--Frost resistance) (Trees)

AUTHORS: Tumanov, I. I., Corresponding Member AS USSR, Krasavtsev, O. A., Khvalin, N.N. SOV/20-127-6-44/51

TITLE: An Increase in Frost Resistance to -253° Attained in Birch and Black Currant by the Hardening Method

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 6, pp 1301 - 1303

ABSTRACT: The investigation of plant hardening could be continued (Ref 1) by the putting into operation of the Stantsiya iskusstvennogo klimata (Station of Artificial Climate) of the Institut fiziologii rasteniy im. K. A. Timiryazeva (Institute of Plant Physiology imeni K. A. Timiryazev). As by stepwise cooling the frost resistance of birch branches was increased to -195° (Ref 2), the authors were faced with the task of producing by an improved method, plants which do not freeze at even lower temperatures. The Institut fizicheskikh problem AN SSSR (Institute of Physical Problems of the AS USSR) made possible the freezing of branch bundles of some wood plants in liquid hydrogen. The cut-off branches were wrapped in cellophane and placed in refrigerators at -5° . For birch, the temperature was lowered every 24 hours by 5° so that it attained -60° on the

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An Increase in Frost Resistance to -253° Attained
in Birch and Black Currant by the Hardening Method SOV/20-127-6~44/51

11th day. After this hardening process, the bundles were quickly immersed into liquid nitrogen, and left there for 48 hours. Currant was hardened for up to 6 days. From the liquid nitrogen, the branches were transferred to liquid hydrogen where they remained for 2 hours to be transferred subsequently to liquid nitrogen again. The latter was slowly vaporized within 6 days. Thus, the branches were slowly brought up to higher temperatures and finally placed into a greenhouse for budding. After the cooling in liquid hydrogen, all buds of the *Betula verrucosa* developed, also the male and female inflorescences lived on (Fig 1). The branches frozen at -253° were not at all different from the control. The pollen of the "liquid hydrogen" variant germinated in a drop of 5% glucose solution at $+25^{\circ}$ within 2 hours to about 30% (Fig 2) as in the control. The birch branches, however, which were not hardened in the laboratory, were completely frozen at -40° . Similar results were obtained by experiments with 2 species of black currant (Fig 3). The branches frozen at -253° remained only slightly behind in growth. There is reason to assume that the said plants can also be cooled down to the absolute zero without taking harm

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An Increase in Frost Resistance to -253° Attained
in Birch and Black Currant by the Hardening Method

SOV/20-127-6-44/51

(Ref 3). In another paper (Ref 4), the authors published the results concerning the reason why the branches of wood plants can stand such a low cooling. The plants attained their resistance to frost due to the protection from ice formation in the cells. The ice is formed in the intercellular spaces only. Without hardening the water has not sufficient time to flow into these spaces. The hardening capacity originates in the plants only after they have come into the resting period. P. L. Kapitsa, Academician, facilitated the work with liquid hydrogen; S. A. Borovik-Romanov assisted at the experiments. There are 3 figures and 4 references, 3 of which are Soviet.

SUBMITTED: June 1, 1959

Card 3/3

KRASAVTSEV, O.A.

Hardening arboraceous plants to extremely low temperatures. Izv.
AN SSSR. Ser. biol. no.2:228-232 Mr-Apr '61. (MIRA 14:3)

1. Timiryazev Institute of Plant Physiology, Academy of Sciences
of the U.S.S.R., Moscow.

(PLANTS—FROST RESISTANCE) (TREES)
(CHROMATOPHORES)

KRASAVTSEV, O. A.

"Fluorescence of cells of some northern woody plants in
relation to their frost resistance."

UNESCO - International Symposium on the Role of Cell Reactions in Adaptations
of Metazoa to Environmental Temperature.

Leningrad, USSR, 31 May - 5 June 1963

TUMANOV, I. I.; KRASAVTSEV, O.A.

Effect of thawing rate on the survival of vitrified cells and
hardened plants. Fiziol. rast. 9 no.5:595-606 '62. (MIRA 15:10)

1. K.A.Timiriazev Institute of Plant Physiology, U.S.S.R.Academy
of Sciences, Moscow.

(Plants--Frost resistance)

TUMANOV, I.I.; KRASAVTSEV, O.A.

Study of the mechanism of the dying of plants during rapid defrosting. Fiziol. rast. 9 no. 6:718-729 '62. (MIRA 15:12)

1. Timiriazev Institute of Plant Physiology, U.S.S.R.
Academy of Sciences, Moscow.
(Plants, Effect of temperature on)

KRIVAVTSEV, I. S., Engineer, Major Cani Tech Sci

Dissertation: "Kinematics and dynamics of the
Valve mechanism of an aircraft In-line engine
Considering the plasticity of a system."

25/10/50

Military Aeronautical Engineering Academy inst.
Professor N. Ye. Zhurkovskiy

SO Vecheryaya Moskva

Sum 71

KRASAVTSEV, V.S.

PHASE I BOOK EXPLOITATION

SOV/5958

Shtoda, Andrey Vladimirovich, Docent, Candidate of Technical Sciences,
Stepan Pavlovich Aleshchenko, Aleksandr Yakovlevich Ivanov, Vsevolod
Semenovich Krasavtsev, Fedor Nikolayevich Morozov, Viktor Anatol'yevich
Sekistov, and Aleksandr Georgiyevich Shiukov

Konstruktsiya aviatsionnykh gazoturbinnnykh dvigateley (Construction of Aircraft
Gas-Turbine Engines) Moscow, Voenizdat M-va obor. SSSR, 1961. 411 p.
Errata slip inserted. No. of copies printed not given.

Ed.: D. A. Novak; Tech. Ed.: R. L. Solomonik.

PURPOSE: This textbook is intended for the engineering, technical, and flying
personnel of the Soviet Air Force, Civil Air Fleet, and All-Union Voluntary
Society for the Promotion of the Army, Aviation, and Navy. It may also be
useful to students at aeronautical schools.

COVERAGE: General information on the construction of Soviet and non-Soviet
aircraft gas-turbine engines is presented. Soviet engines considered are the

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Construction of Aircraft (Cont.)

SOV/5958

RD-10, RD-20, RD-500, RD-45, VK-1, AI-20, AM-3, and AM-5. The book was written as follows: Foreword, by A. V. Shtoda; Chs. I and VII, by A. G. Shiukov and V. S. Krasavtsev; Ch. II, by V. A. Sekistov; Ch. III, by S. P. Aleshchenco; Chs. IV and V, by F. N. Morozov; Ch. VI, by V. S. Krasavtsev; Ch. VIII, by A. V. Shtoda, V. A. Sekistov, and A. G. Shiukov; and Ch. IX, by A. Ya. Ivanov, all Docents and Candidates of Technical Sciences. The authors thank I. T. Denisov for his assistance. There are 44 references: 23 Soviet (including 2 translations), 17 English, 1 French, 1 German, and 2 unidentified.

TABLE OF CONTENTS [Abridged]:

Ch. I. Compressors	
1. Axial-flow compressors	27
2. Centrifugal compressors	72
Ch. II. Gas Turbines	
3. General	83

Card 2/5

AKHUNDOV, A.A.; KARUMIDZE, G.S.; KRASAVTSEVA, G.M.; POPOV, V.T.

Apparatus for radiochemical investigations in an IRT-2000 reactor
channel. Atom. energ. 14 no.4:412-414 Ap '63. (MIRA 16:3)
(Radiochemistry) (Nuclear reactors)

AGALETSKIY, Filarer Nikolayevich; BARATS, Izrail' Semenovich;
VOLOBUYEV, Vasiliy Illarionovich; LOGOVINSKIY, Miron Davydovich;
KRASAVTSEVA, N.I., kand.tekhn.nauk, red.; SHINKARENKO, N., red.;
GLUSHKO, G., tekhn.red.

[Ferrous metallurgy of the Soviet Ukraine] Chernais metallurgiia
Sovetskoi Ukrains. Dnepropetrovsk, Dnepropetrovskoe knizhnoe
izd-vo, 1959. 53 p. (MIRA 14:4)
(Ukraine--Iron--Metallurgy)

KRASEL'SHCHIK,V.N., laureat Stalinsloy premii

Shaped cartridges on the market. Gor. zhur. 122 no.1:16-18
Ja '48.

(MLRA 8:9)

(Blasting)

KRASENKO, S.M., inzh.

Machine for making wooden rods. Put' i put.khoz. no.10:17
0 '59. (MIRA 13:2)
(Dowels)

KRASENSKIY, D.P. (Kuybyshev)

Table for calculating foundations with a circular base. Osn., fund.
i mekh.grun. 7 no.1:23-25 '65. (MIRA 18:4)

OSIPOV, Lev Georgiyevich, kandidat tekhnicheskikh nauk; SERBINOVICH, Pavel Petrovich, inzhener; KRASENSKIY, Viktor Evgen'yevich, inzhener;

PREDTECHENSKIY, V.M., kandidat tekhnicheskikh nauk, retsenzent; TRSPENENKOV, R.I., kandidat tekhnicheskikh nauk, nauchnyy redaktor; KOTIK, B.A., redaktor izdatel'stva; PERNSON, M.N., tekhnicheskiy redaktor

[Public and industrial buildings] Grazhdanskie i promyshlennye zdaniiia. Moskva, Gos.izd-vo lit-ry po stroit. i arkhit., Pt.1. [Architectural and structural designs and building elements] Arkhitektурно-konstruktiv-nye skhemy i elementy zdanii. Pod obshchei red. L.G.Osipova. 1957. 375 p.

(MLRA 10:9)

(Building)

OSIPOV, Lev Georgiyevich, kand.tekhn.nauk; SERBINOVICH, Pavel Petrovich;
KRASENSKIY, Viktor Yevgen'yevich. Prinimal uchastiye SHUBIN, L.P.,
Inzh. BOLDYREV, A.K., kand.tekhn.nauk, retsenzent; MARTYNOV,
A.P., red.; GRIGORCHUK, L.A., tekhn.red.

[Public and industrial buildings; architectural and structural
designs and building elements] Grazhdanskie i promyshlennye
zdaniiia; arkhitektурno-konstruktivnye skhemy i elementy zdanii.
Izd.2., perer. Pod obshchei red. L.G.Osipova. Moskva, Gos.
izd-vo "Vysshiaia shkola," 1961. 470 p. (MIRA 15:2)
(Public buildings) (Industrial buildings)

KRASENSKIY, Viktor Yevgen'yevich, inzh.; FEDOROVSKIY, Leonid
Yevlampievich, inzh.; GRONDA, V.I., red.

[Public, industrial, and farm buildings] Gражданские,
промышленные и сельскохозяйственные здания. Москва,
Высшая школа. 1964. 183 p. (MIRA 17:12)

OSIFOV, Iev Georgiyevich, kand. tekhn. nauk; SERBENOVICH, Pavel Petrovich; KRAZENSKIY, Viktor Yevgen'yevich; Prinimal uchastiyu SHUBIN, L.F.; KUREKOMIIM, I.B., red.

[Public and industrial buildings; architectural and construction designs and building elements] Gruzidanskie i promyshlennye zdaniiia; arkitektурно-konstruktivnye skhemy i elementy zdanii. Izd.3., perer. Moskva, Vys-shaia shkola, 1964. 483 p. (MIRA 17:8)

KVASENSKY, Otakar, inz.

Problems of the thermocoagulation of drilling mud. Geol
pruzkum 6 no.4:114-115 Ap '64.

i. Ceskoslovenske naftove doly National Enterprise,
Hodonin, Branch in Michalovce.

KRASENSKY, Otakar, Inz.

Frostproof wash. Cest pruzkum 7 no.1.23-22 - In 165.

1. Geologicky pruzkum National Enterprise, Prague.

DURICA, Dusan, inz.; KRASENSKY, Otakar, inz.

Salt-bearing strata in the Neogene Basin of eastern Slovakia
and experiences in boring (Kolcovo Dihe). Geol pruzkum 7
no.3:71-73 Mr '65.

1. Research Enterprise of the Ceskoslovenske naftove doly
National Enterprise, Michalovce and Geologicky pruzkum
National Enterprise, Prague.

KRASIV, A.Ye.; SMOL'SKIY, I.F., podpolkovnik med. sluzhby

Use of ammonium hydroxide to inhibit the vomit reflex in taking gastric juice and bila. Voen.med.shur. no.3:92 Mr '57. (MIRA 11:3)
(AMMONIUM HYDROXIDE) (VOMITING)

1. KRASEV, G.M.
2. USSR (600)
4. Alfalfa - Ukraine
7. Summer sowings of alfalfa with proso millet in steppe regions of the southern Ukraine, Dost.sel'khoz. no. 4, 1953.
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953. Unclassified.

KRASEV, G.M., kandidat sel'khoz.nauk

Technical principles of soil cultivation in southern steppe regions
of the Ukraine. Trudy "Ask.-Nov.". 8:214-234 '60. (MIRA 14:4)
(Ukraine—Tillage)

KRASEV, R.A., BOORTSEV, V.T.

"Desulphurization of Cast Iron in Vacuum,"
lecture given at the Fourth Conference on Steelmaking, A.A. Baikov Institute of
Metallurgy, Moscow, July 1 - 6, 1957

KRASEVA, V.N.; BAG, A.A.

Catalytic dehydrogenation of geraniol. Trudy VNIISMDV no.4:
55-58 '58. (MIRA 12:5)
(Geraniol) (Citral) (Citronellal)

KRASEVA, V.N., inzh.; BAG, A.A., kand. tekhn. nauk; MALKINA, L.L.;
KHOLOM'ER, O.M., inzh.

Catalytic dehydrogenation of alcohols. Masl.-zhir. prom. 24
no.12:23-25 '58. (MIRA 11:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskikh
i natural'nykh dushistykh veshchestv (for Kraseva, Bag). 2. Moskovskiy
zavod "Slozhnyye efiry" (for Malkina, Khol'mer).
(Perfumes, Synthetic) (Alcohols) (Dehydrogenation)

NAVINEK, Boris, inz.; Marinkovic, Velibor, dipl. chem.; KRASEVEC, Viktor, inz.

Ionic etching of nuclear materials. Rud met zbor no.1:63-68 '63.

l. Nuklearni institut "J. Stefan," Ljubljana, Jamova 39.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826030007-5

KRASEVSKIY, N. P.

"Analiticheskaya Khimiya-Kolichestvennyi Annaliz" (Analytical Chemistry-
Collective Analysis), Issue 2, 344 p., Moscow, 1950.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826030007-5"

L 6899-65 EWT(n)/EWP(a)/EWP(b) Ref. MJW/JD/RW
ACCESSION NR: AR404428

8/0137/64/000/006/1069/1069

S/1
S/1
SOURCE: Ref. zh. Metallurgiya, Abs. 61395

AUTHOR: Gol'dshteyn, Ya. Ye.; Charushnikova, G. A.; Krashchenko, I. S.

TITLE: Nickel and manganese in the problem of the cold-shortness of steel

CITED SOURCE: Sb. Legirovaniye stalej. Kiyev, Gostekhizdat USSR, 1963,
223-235.

TOPIC TAGS: nickel, manganese, cold shortness, steel, carbon steel

TRANSLATION: Investigates the influence of Ni (to 4.5%) on a_k and the threshold of cold shortness of carbon steel containing 0.18, 0.33, 0.45 and 0.5% C, and the influence of Mn (to 2.8%) on the indicators in steel with 0.21-0.6% C. Ni-steel was processed at H_B of 240 and 340; Mn-steel - at H_B 240. The critical brittle temperature T_{XP} was the test temperature at which crystal fracture constituted 10% of the area of fracture of the sample. Preliminarily investigated the influence of

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L 6899-65
ACCESSION NR. AR4044228

tempering temperature on σ_c of steel. After tempering at 300-350° Ni increases the σ_c of steel; at higher tempering temperatures a 4.5% Ni content has a negative influence on σ_c . With a small C content (0.13%) Ni promotes viscous fracture and a lowering of T_{xp} ; with a C content of 0.33% and higher, Ni promotes the appearance of crystal fracture and increases T_{xp} . A lowering of σ_c and an increase of T_{xp} with increasing Ni content is explained by the influence of Ni on the state of a solid solution and on the tendency of steel toward irreversible temper brittleness; the higher the C content, the lower the Mn content at which failure σ_c is revealed. With a C content of 0.3%, Mn increases the σ_c of steel in the hardened and tempered state. With increase of C content >0.3%, Mn renders a negative influence on σ_c . At average and high tempering temperatures the Mn content >1.3% renders a negative influence for all C contents. During investigation of T_{xp} of Mn-steel with Mg 235 there is revealed a positive influence of Mn for a content ≤1.3%. With a further increase of the Mn content, T_{xp} increases. Investigates also steel containing 0.16-0.11% C and ~7% Mn. After tempering at 600° high-manganese steel, deoxidized by Ti, has a higher σ_c to -160° than 8% Ni-steel. The influence of Ti appears in crushing of the grain and N binding.

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I, 6899-65
ACCESSION NR: AR4044228

Investigation of the complex influence of Mn and other elements led to the creation of economic, highly durable steels without Mn or with small Mn content.
(15KUD2B, 14KUD2B, 13KUD20VA, and others).

(S 18
SUB CODE: MM

ENCL: 00

Card 3/3

MOROV, A.N.; CHIRKOV, N.A.; FIRSOV, S.G.; KRASHCHENKO, L.S.; Prinimali
uchastliye: RISPEL', K.N.; VAYNSHTEYN, O.Ya.; BUSHUYEV, A.P.;
SNFZHKO, B.Ya.; MEL'NICHENKO, A.A.; ZHURAVLEV, V.M.

Alloying open-hearth steel with exothermic ferroalloys in the
ladle. Stal' 25 no.5:412-414 My '65. (MIRA 18:6)

KRASHCHEVSKIY, V.A., inzh.

Using cast insulation for hermetically sealing electric machines
and apparatus. Vest.elektrprom. 31 no.2:18-19 F '60.
(MIRA 13:6)

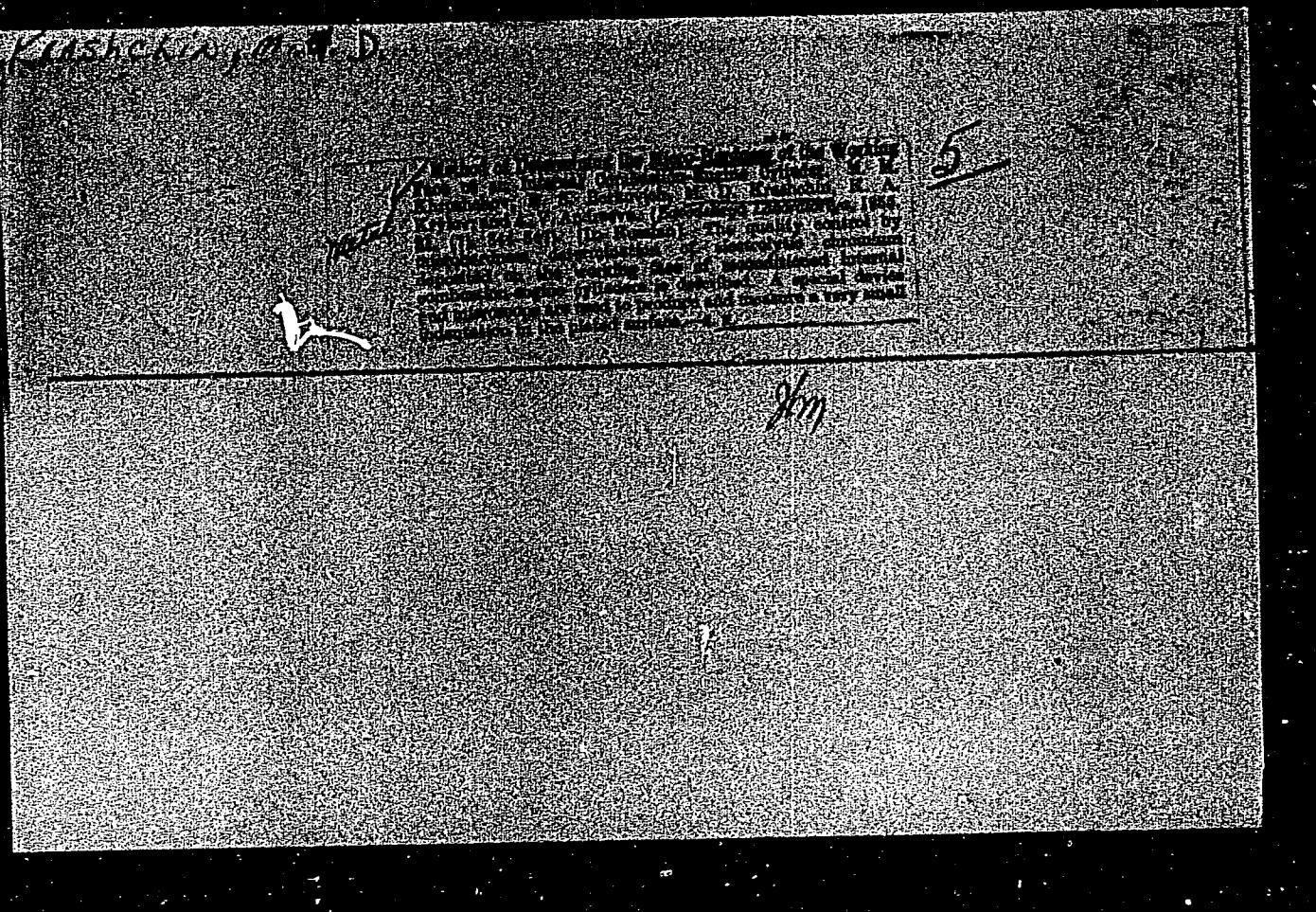
(Electric insulators and insulation)
(Sealing(Technology))

KRASHCHEYEV, N., inzh.

New KIP-6 oxygen insulating gas mask. Pozh.delo 3 no.12:16-17
D '57. (MIRA 10:12)
(Gas masks)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826030007-5



APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826030007-5"

KRASHCHIN, M.D.

Using the method of artificial bases in investigating the
precision determining mechanical wear. Trudy Inst. mash. 1:
143-153 '59. (MIRA 12:12)
(Mechanical wear--Measurement)

1-69415-65 EWT(d)/EWT(m)/EWP(w)/EPP(c)/EWP(c)/EWA(d)/EWP(v)/T/EWP(t)/EWP(s)/
EWP(z)/EWP(b)/EWP(f) F-4/M-4 JD/DJ/GS

ACCESSION NR: AT3015087

UR/0000/65/000/000/0045/0070

AUTHOR: Krashenin, N. D. (Candidate of technical sciences)

TITLE: A study of the accuracy of wear determination by the method of cut out lunes

SOURCE: Moscow, Gosudarstvennyy nauchno-issledovatel'skiy institut mashinovedeniya
Opredeleniye iznosa detaley mashin na krotkiye periody raboty (Determination
of wear in machine parts for short periods of operation). Moscow, Izd-vo
Mashinostroyeniya, 1965, 45-70

ABSTRACT: This is a report on a comprehensive theoretical and experimental study
of the cut out lune method of wear determination. Since there are no more
accurate methods, the accuracy was determined by processing the results from re-
peated tests. The results of the study show that the ratio of width to depth
of the lune across an arbitrary cross section remains constant (within 2%), it is
fixed by the angles of the diamond pyramid and does not depend on the material
or the part nor on the hardness and precision of the cutting device and its
operating conditions. In the case of a three-sided cutter with an angle of
65° 13' between its before and side, the above-mentioned ratio is 7/46. This
value depends more on the shape of the cutter than on its adjustment within the
Card 1/2

L 00415-05

ACCESSION NR: AT5015067

device. For all practical purposes, it is independent of the curvature of the sample. The author recommends that for the lunes usually encountered (radius of lune curvature $\sim 5,100 \mu$, lune length $\leq 4,000 \mu$, lune depth $\leq 100 \mu$) one should preserve the relationship $R/r_{\max} = \text{const}$. (r_{\max} = maximum lune depth). In case the lune radius of curvature, due to various reasons (the elastic compliance of the cutting mechanism, insufficient number of passes, etc.), turns out to be smaller than the desired value, one may encounter errors up to 30%. Orig. art. has: 57 formulas, 24 figures, and 4 tables.

ASSOCIATION: Laboratoriya imosotcovostsi Gospodarstvennyy nauchno-issledovatel'skiy institut mashinovedeniya, Moscow (Laboratory of Wear Resistance, State Scientific Research Institute for Machine Science)

SUBMITTED: 05 Nov 96

ENCL: 00

SUB-CODE: IR

NO REF Sov: 000

OTHER: 000

Card

KRASHECHNIKOV, S. S.

Author: Krashechnikov, S. S.

Title: Short reference book on the processing of chromium alloys and
metals. (Kratkii spravochnik po obrabotke tsvetnykh metallov
i splavor.)

City: Moscow

Publisher: State Scientific and Technical Publication pertaining to the
copper and chromium metallurgy

Date: 1945

Available: Library of Congress

Source: Monthly List of Russian Accessions, Vol. 4, No. 1, p. 26

KRASHENA, P.A.

Geological structure and the oil potential of the terrigenous Devonian sediments of the Novo-Yelkhovskoye oil field in the Tatar A.S.S.R. Geol. nefti i gaza 7 no.12:23-25 D '63.
(MIRA 17:8)
I. Tatarskiy neftyanoy nauchno-issledovatel'skiy institut.

KRASHENINIKOV, S.N., inzh.

Separation of potatoes from rocks and clods using an electronic
discriminator. Trakt. i sel'khozmash. 31 [i.e.32] no.11:25-26 N '62.
(MIRA 15:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii
sel'skogo khozyaystva.

(Potatoes)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826030007-5

YAROTSKIY, V.G.; KRASHENININ, G.S.; SAMEL'ZON, R.M.

Coarsening of salt dust by the granulation method. Sist. osnov. trud.
UkrNIISol' no.6:95-101 '62. (MIRKA 1/3)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826030007-5"

IMAYEV, N.G.; MASLENNIKOV, V.G.; GORINA, V.M.; KRASHEVSKII, S.S.

Reesterification of di'methyl phosphite with aromatic alcohols.
Zhur. ob. khim. 35 no. 1:75-77 Ja '65.

(MUPA 100-1)

1. Bashkirskiy gosudarstvennyy universitet.

AUTHOR: Krasheninnikov, A. SOV/27-58-11-26/29

TITLE: Vocational Education Abroad (Professional'noye obrazovaniye za rubezhom). An Important International Seminar (Vazhnyy mezhdunarodnyy seminar). 15

PERIODICAL: Professional'no - tekhnicheskoye obrazovaniye, 1958, Nr 11, pp 27 - 29 (USSR)

ABSTRACT: The World Federation of Democratic Youth, in cooperation with the Czechoslovakian Union of Youth, the Czechoslovakian Ministry of Schools and Culture and the Czechoslovakian Commission on Cooperation with UNESCO, organized from 28 July to 6 August 1958, in Prague, an international seminar on the vocational-technical education of youth. A total of 25 nations participated. The representatives of almost all countries took part in the discussions. Considerable space is occupied in the article by the description of the adverse conditions prevailing in France in regard to professional education. The next to report of unfavorable conditions in their countries were the representatives of Madagascar, Africa, Salvador, Morocco and Argentina. The representatives of the socialist countries emphasized the great advantages of the socialistic system and the unlimited possibilities for giving the youth general and professional education.

Card 1/2

SOV/27-58-11 26/29

Vocational Education Abroad. An Important International Seminar.

In their addresses, the representatives of various countries expressed their admiration for the enormous achievements of the USSR in the field of vocational-technical training. The higher educational institutions and technical schools alone are training more than 4 million persons. The State Labor Reserves are the basic source for the reinforcement of the working class. Since 1940, they have trained about 10 million young qualified workmen, and the number of educational institutions amounts at present to over 3,100 with 500 specialties. Pupils, 15 - 16 years old have a 4-hours working day, but boys and girls from 16 to 18 years have a 6-hours working day with pay equal to that which a grown-up workman receives for the 8-hours working day. At the end of the seminar, a communique was issued emphasizing that the living conditions for the young workmen in the capitalistic countries become harder every day, that only minimum allocations are granted for the professional education of youths while many billions are spent for armament.

1. Industrial training 2. Propaganda-USSR

Card 2/2

KRASHENINNIKOV, A., kand.tekhn.nauk; KESLI, E., inzh.

Manufacture of laminated wall panels. Na stroi. Ros. no.11:30-31
N '61. (MIRA 16:7)
(Concrete walls)

KRASHEMINNIKOV, A. A.

"Methods of designing fodder preparation departments for animal husbandry farms," Trudy Azovo-Chernomor. in-ta mekhanizatsiya sel. khoz-va. Issue 5, 1948, p. 39-51

SO: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

KRASHENINNIKOV, A. I.

Youthful crews in Azerbaijan. Neftianik 1 no.10:33-34 O '56.
(Azerbaijan--Petroleum workers) (MLRA 9:11)

KRASHENINNIKOV, A.I.

KRASHENINNIKOV, A.I., red.; KLEYMENOVА, K.F., vedushchiy red.; MUKHINA,
E.A., tekhn.red.

[Young petroleum workers in the fight against petroleum losses]
Molodye neftianiki v bor'be s poteriami nefti. Moskva, Gos.
nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1957. 60 p.
(Petroleum industry) (MIRA 11:3)

KRASHENINNIKOV, A. I.

~~Efficiency promoters fight petroleum waste, Izobr. v SSSR 2 no.4:~~
43-44 Ap '57. (MLRA 1016)
(Petroleum industry and trade)

SOV/112-59-1-3
1959, Nr 1, P 47 (USSR)

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 1, P 47 (USSR)
AUTHOR: Krasheninnikov, A. N.

TITLE: Development, Investigation, and Operating Experience With Heat-Insulating
Autoclave Foam Concrete

PERIODICAL: Tr. Nauchno-tekhn. soveshchaniya po proyektir. i str-vu teplovykh
setey. M.-L., Gosenergoizdat, 1956, pp 151-168

ABSTRACT: Advantages of a monolithic heat insulator made from autoclave foam
concrete, as suggested by the author jointly with P. A. Lazarev, are noted.
Principal data on production technology of insulated pipes is reported. Local
raw material, foam-concrete mixer, optimum conditions for water thermal treatment,
the method of drying, and hydroinsulation are characterized. Data is reported
on the quantity of insulated pipes and half-cylinder units produced over 1948-
1952. Transportation and storage of insulated pipes and the method of their
resistance, reliability, etc. Some

M. L. Z.

Card 1/2

SOV/112-59-1-347

Development, Investigation, and Operating Experience With Heat-Insulating
erection are described. The foam concrete should meet the following
requirements: a low heat conductivity, adequate strength and water resistance,
and low water absorption. Many years of operation have shown the reliability,
long service life, and high efficiency of the new heat-line design. Some
economic data on pipe laying is presented.

M. L. Z.

Card 2/2

KRASHENINNIKOV, Aleksandr Nikolayevich, kand.tekhn.nauk; DUBNETSKIY,
K.N., dotsent, kand.tekhn.nauk, red.; SOBOLEVVA, Ye.N., tekhn.red.

[Autoclave-hardened heat insulating lightweight concrete; studies, production, and use in central heating systems] Avtoklavnyi termoizolatsionnyi penobeton; issledovaniia, proizvodstvo i pri-menenie v teplofiksatsionnykh setiakh. Moskva, Gos.energ.izd-vo, 1959. 234 p.

(MIRA 12:8)

(Lightweight concrete)

VASIL'KOVSKIY, S.V., prof.; KRASHENINNIKOV, A.N., kand.tekhn.nauk

Concretes made with plastics. Biul.tekh.inform. 5 no.1:9-12
(MIRA 12:L)
Ja '59.

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR
(for Vasil'kovskiy). (Lightweight concrete)

LISYANSKIY, A.I.; KRASHEENIKOV, A.N., kand.tekhn.nauk

Mastering the production of large aerated concrete products
made with nepheline cements. Stroi. mat. 6 no.6:14-18 Je '60.
(MIRA 13:6)

1. Glavnnyy inzhener Avtovskogo domostroitel'nogo kombinata.
(lightweight concrete)

KRASHENINNIKOV, A.N., kand.tekhn.nauk

Cellular concretes made with plastics. Bet. i zhel.-bet. no.2:
83-85 F '61. (MIRA 14:2)
(Lightweight concrete)

KRASHENINNIKOV, A.N., kand.tekhn.nauk

Autoclaved, cellular concrete ash from Baltic shale. Stroi.mat.
& no.1:10-14 Ja '62. (MIRA 15:5)
(Lightweight concrete)

KRASHENINNIKOV, A.N., kand.tekhn.nauk; KESLI, E.O., inzh.

Properties of an air-entrained concrete mix and of air-entrained
concrete before steaming. Bet.i zhel.-bet. 8 no.9:418-422 S
'62. (MIRA 15:12)

(Air-entrained concrete--Testing)

KRASHENINNIKOV, A.N., kand. tekhn. nauk, st. nauchn. sotr.;
LISYANSKIY, A.I.

[Manufacture and use of large-scale gas concrete products
in the building of apartment houses; practices of the
Residential Building Combine No.3 of the Main Leningrad
Construction Administration] Proizvodstvo i primenenie
krupnorazmernykh izdelii iz gazobetona v zhilishchnom
stroitel'stve; opyt Domostroitel'nogo kombinata No.3
Glavleningradstroia. Moskva, Gosstroizdat, 1961. 76 p.
(MIRA 17:3)

1. Akademiya stroitel'stva i arkhitektury SSSR. Nauchno-
issledovatel'skiy institut organizatsii, mekhanizatsii i
tekhnicheskoy pomoshchi stroitel'stva. 2. Leningradskiy
filial Akademii stroitel'stva i arkhitektury SSSR (for
Krasheninnikov). 3. Glavnyy inzhener Domostroitel'nogo
kombinata No.3 Glavnogo Leningradskogo upravleniya po
zhilishchnomu i grazhdanskому stroitel'stvu (for Lisyanskiy)

KRASHENINNIKOV, A.N., kand. tekhn. nauk (Leningrad)

Lime is as good as cement. Stroi. mat. 9 no.6:7 Je '63.
(MIRA 17:8)

L-40999-65 EMP(u)/SPA(u)-2/ECP(m)/ECP(c)/EPR/EMP(j)/T-Po-4/Pt-4/Ps-4
WE/RM

ACCESSION NR: AR6006647

5/0081/64/000/022/B667/B037

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25

26

B

SOURCE: Ref. zh. Khimika, Abo, 223385

AUTHOR: Krasnenikov, A. N.; Dost, A. V.; Staromilov, P. Ya.

TITLE: A study of the effect of atmospheric factors on the mechanical properties of glass-reinforced plastic. 6

CITED SOURCE: Sb. Osnovnyye i fundamental'nyye issled. Konstruksiy, stroit. proiz-vy.
L., 1964, 69-71.

TOPIC TAGS: fiberglass, glass reinforced plastic, glass plastic mechanical property,
glass plastic aging, atmospheric aging, cold hardening, hot hardening, glass plastic creep

TRANSLATION: The authors studied the effect of atmospheric factors (the climate around Leningrad) on the long-term and short-term mechanical properties of glass reinforced plastics prepared by hot and cold hardening. They found that the binder of glass reinforced plastic prepared by cold hardening undergoes additional polymerization over a long period of time, which leads to a 24% increase in compressive strength (6 months) and a 5.5% increase in tensile strength (3 months) during the first few months of testing. Subsequently, the strength decreases somewhat in all types of tests due to natural aging. /5

Cord. 1/3

L 40999-65

ACCESSION NR: AR5005347

There is also an initial increase in the strength of glass reinforced plastic prepared by hot hardening. In this case, atmospheric drying has a significantly stronger effect. Data are also presented on the creep of glass reinforced plastic prepared by cold hardening and of the SVAM brand of glass plastic. Z. NEMOY

ENCL: 00

SUB CODE: MIT

Card 2/3

SUSHCHENKO, Antonina Sergeyevna; KRASHENINNIKOV, A.N., red.

[New impact resistant "SNP" plastics] Novyi udaroprochnyi
plastik SNP. Leningrad, 1965. 40 p. (MIRA 18:7)

N.
KRASHENINNIKOV, D., inzhener.

The IAZ-214 truck. Avt. transp. 34 no.10:22-25 0 '56.
(MLRA 9:12)

(Motortrucks)

KRASHENNIKOV, D.N., inzhener; KOMAROV, A.D., inzhener; OKUNEV, Yu.K., mayor,
redaktor; KUZ'MIN, I.F., tekhnicheskiy redaktor.

[Catalog of spare parts for engines IaAZ-206A, IaAZ-206B and IaAZ-206D]
Katalog zapasnykh chastei dvigatelei IaAZ-206A, IaAZ-206B, i IaAZ-206D.
Moskva, Voen.izd-vo M-va obor.SSSR, 1957. 225 p. (MIRA 10:11)

1. Yaroslavskiy avtomobil'nyy zavod. 2. Russia (1923- U.S.S.R.)
Avtotraktornoye upravleniye.
(Automobiles--Engines)

KRASHENNIKOV, D.N., inzhener; KOMAROV, A.D., inzhener; OKUNEV, Yu.K., mayor,
redaktor; KUZ'MIN, I.F., tekhnicheskiy redaktor.

[Catalog of spare parts for engines IaAZ-204A, IaAZ-204B, IaAZ-204V,
IaAZ-204G, IaAZ-204E, and IaAZ-204I] Katalog zapasnykh chastei
dvigatelei IaAZ-204A, IaAZ-204B, IaAZ-204V, IaAZ-204G, IaAZ-204E
i IaAZ-204I. Moskva, Voen.izd-vo M-va obor.SSSR, 1957. 231 p.
(MIRA 10:11)

1. Russia (L933- U.S.S.R.) Avtotraktornoye upravleniye.
(Automobiles--Engines)

KRASHEVNIKOV, D.N., inzh., obshchiy red.; KORABLEVA, R.M., inzh.,
red.; UVAROVA, A.F., tekhn.red.

[Catalog of spare parts for IaAZ-210, IaAZ-210G, IaAZ-210D,
and IaAZ-210R trucks] Katalog zapasnykh chastei avtomobilei
IaAZ-210, IaAZ-210G, IaAZ-210D i IaAZ-210R. Moskva, Gos.
nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 378 p.
(MIRA 12:6)

1. Yaroslavskiy avtomobil'nyy zavod, Yaroslavl.
(Motortrucks--Equipment and supplies)

KRASHENINNIKOV, G. D.

Krasheninnikov, G. D. - "Processing pictures of mountainous regions for topographic stereometry", Sbornik nauch.-tekhn. i priozvod. statey po geodezii, kartografii, aeros"zemke i gravimetrii, Issue 22, 1948, p. 40-51.

SO: t-h110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, N . 1), 1949).

KRASHENINNIKOV, G. D.

"Determination of Base and Altitude of Photographing During Orientation of Pictures on a Topographical Stereometer From Four Points", Sb. ref. Tsentr. n-i. in-ta zeml., aeros'yemki i kartogr., no. 2, pp 42-44, 1954.

For accurate orientation of a stereocouple in a stereometric survey in a 1:10,000 or larger scale, a preliminary determination of altitude is necessary as well as the photography base over the initial point. This may be achieved during the orientation process. First the pictures are approximately oriented from four points, while the altitude and base are referred to the main point on the right stereocouple picture. After an approximate orientation yields the excess height of the initial point over the main point the altitude of photographing with respect to the initial point is computed. (RZhAstr, No. 11, 1955)

SO: Sum No 812, 6 Feb 1956

KRASHENINNIKOV, G.D.

SOKOLOVA, N.A., kandidat tekhnicheskikh nauk; KRASHENINNIKOV, G.D.,
kandidat tekhnicheskikh nauk; KOZHEVNIKOV, N.P., kandidat
tekhnicheskikh nauk.

Requirements for the arrangement of points of the plane and
elevated surveying data. Trudy TSNIIGAIL no.100:13-17 '54.
(Aerial photogrammetry) (MLRA 8:2)

KRASHEVNIKOV, G.D., kandidat tekhnicheskikh nauk.

Concentration of the plane data in universal type instruments.
Trudy TSNIIGAIK no.100:131-147 '54. (MLRA 8:2)
(Aerial photogrammetry)

KOZHEVNIKOV, Nikolay Petrovich; KRASHENINNIKOV, Georgiy Dmitrievich;
KALIKOV, Nikolay Pavlovich; NORMANDSKAYA, O.B., redaktor;
VASIL'YEVA, V.I., redaktor; KUZ'MIN, G.M., tekhnicheskij
redaktor

[Photogrammetry] Fotogrammetriia. Moskva, Izd-vo geodeziche-
skoi lit-ry, 1955. 492 p. (MIRA 9:4)
(Photographic surveying)

KRASHENINNIKOV, G.D., starshiy nauchnyy sotrudnik; KOZHEVNIKOV, N.P.,
starshiy nauchnyy sotrudnik; KUZ'MIN, G.M., tekhnicheskiy redaktor

[Instructions for topographical surveying on scales of 1:25,000
and 1:10,000] Nastavlenie po topograficheskoi s"emke v masshtabakh
1:25,000 i 1:10,000. Moskva, Izd-vo geodezicheskoi lit-ry. Pt.2.
[Photogrammetric and stereotopographic work] Fotogrammetricheskie i
stereotopograficheskie raboty. 1956. 134 p. [Microfilm] (MLRA 10:3)

1. Russie (1923- U.S.S.R.) Glavnoye upravleniye geodezii i
kartografii. 2. TSentral'nyy nauchno-issledovatel'skiy institut
geodezii, aeros"zemki i kartografii (for Krasheninnikov, Kozhevnikov)
(Photographic surveying)

YELIZAROV, Nikolay Fedorovich; KRASHENINNIKOV, G.D., redaktor; KOMAR'KOVA,
L.M., redaktor izdatel'stva, KUZ'MIN, G.M., tekhnicheskiy redaktor

[Stereoplanograph manual] Posobie po rabote na stereoplanigrafe.
Moskva, Izd-vo geodez. lit-ry, 1956. 175 p. (MLRA 9:8)
(Photogrammetry)

KRASHEVINKOV, G.D., kandidat tekhnicheskikh nauk.

Estimating the alignment of aerial films by means of graphic interpolation of vertical parallaxes. Geod.i kart. no.6:43-47 Ag '56.
(MLRA 9:11)

(Aerial photogrammetry)

~~KRASHENINNIKOV G.D.~~, starshiy nauchnyy sotrudnik; KOZHEVNIKOV, N.P.,
starshiy nauchnyy sotrudnik; ROMANOVA, V.V., tekhnicheskij redaktor

[Instructions for topographic surveys on scales of 1:10,000 and
1:25,000] Naставление по топографической съемке в масштабах
1:10 000 и 1:25 000. Izd. 2-ое. Moskva, Izd-vo geodez.lit-ru.
Pt.2. [Photogrammetric and stereotopographic work] Fotogrammetricheskie
i stereotopograficheskie raboty. 1957. 134 p. (MIL 10:10)

1. Russija (1923- U.S.S.R.) Glavnoye upravleniye geodezii i
kartografii. 2. TSentral'nyy nauchno-issledovatel'skiy institut
geodezii, aeros"zemki i kartografii (for Krasheninnikov, Kozhevnikov)
(Photographic surveying)

Krasheninnikov, G. D.

AUTHOR: Krasheninnikov, G. D., Candidate of Technical Sciences. 6-12-10/14

TITLE: On the Advantages of a Wide-Angle Optics for Aerial Photographs in Stereotopographic Surveying (O preimushchestvakh shirokougol'-noy aeros'yemochnoy optiki pri stereotopograficheskoy s'yemke)

PERIODICAL: Geodeziya i Kartografiya, 1957, Nr 12, pp. 59-62 (USSR)

ABSTRACT: This is a report on the paper by H. Kasper "Gedanken zur Anwendung der Photogrammetrie in der Kleinmaßstäblichen Kartographie (Eine Betrachtung zur Weiterentwicklung von Wild-Geräten. I. Teil)" (Thoughts concerning the use of photogrammetry in small-scale cartography. (A consideration concerning the further development of Wild-devices. Part I)). "Photogrammetria". XII. Nr 1, 1955-1956, in the German language. There is 1 table.

AVAILABLE: Library of Congress

Card 1/1

KRASHENINNIKOV, G. D.

"On the Stereograph by Drobyshev".

report presented at a Conference of the Chief Engineers and Directors of the Technical Control of Aerial Surveying Enterprises, Moscow Central Bureau of Surveying and Cartography, Min. of Interior USSR. *held 23-24 July*
(Geodeziya i kartografiya, 1958, no. 6, 77-78)

Mr. of the staff of: TshNIGAiK

3(4)
AUTHOR:

Krasheninnikov, G. D., Candidate
of Technical Sciences

SOV/6-58-10-9/17

TITLE:

On the Accuracy Required in the Determination of the
Elevation of Ground Control Points in a Stereotopographical
Survey (O neobkhodimoy tochnosti opredeleniya vysot
opoznakov pri stereotopograficheskoy s"zemke)

PERIODICAL:

Geodeziya i kartografiya, 1958, Nr 10, pp 46 - 48 (USSR)

ABSTRACT:

The majority of 1 : 10 000 and 1 : 25 000 scale surveys is carried out by stereotopographical methods. This is an investigation of the requirements placed upon the accuracy of geodetic elevation measurements on such photographs. The permissible error in elevation of terrain plotted in the map is denoted by $(m_h)_k$. This error is composed of 1) the error $(m_h)_{ph}$ of the photogrammetrical measurements in the aerial photographs and 2) of the error $(m_h)_g$ of the geodetical determination of elevation of base points. It is assumed that these two errors are random and independent and under these assumptions formula (1) is written down. This equation is for reasons of expediency replaced by the mean square deviations of the difference of the longitudinal

Card 1/3

On the Accuracy Required in the Determination of
the Elevation of Ground Control Points in a
Stereotopographical Survey

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parallaxes, yielding formula (2). The work carried out in recent years in the TsNIIGAiK and in the test- and research laboratories of the aerial surveying authorities justify the assumption that the mean square deviation in the measurements of the difference of longitudinal parallaxes in aerial photographs glued to a glass plate which are made in topographical stereometer amounts to $(m_{Ap})_{Ph} = \pm 0,03$ mm. This value is substituted into formula (2), yielding the value of the mean square error in the geodetical determination of the elevation of points in field preparation expressed by the error in the difference of longitudinal parallaxes $(m_{Ap})_g = \pm 0,014$ mm. Proceeding from this value the required accuracy of a geodetical determination of the elevation of points of the survey net can be computed for actual cases of stereotopographical surveys. Formula (4) for (m_h) is derived. This formula provides a means of computing the permissible mean square deviations in the geodetical determination of the elevation of points of the survey net. This is elucidated with an example. There are 1 table and 1

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On the Accuracy Required in the Determination of
the Elevation of Ground Control Points in a
Stereotopographical Survey

SOV/6-58-10-9/17

reference, which is Soviet.

Card 3/3

Krasheninokov, G.

Genetic types of the Carboniferous sediments. Tr. from Russian. p. 309

Prague. Ustredni ustav geologicky. VESTNIK. Praha, Czechoslovakia. Vol. 33,
no. 5, 1958

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1959
Uncl.

PHASE I BOOK EXPLOITATION

SOV/4699

Kozhevnikov, Nikolay Petrovich, Georgiy Dmitriyevich Krasheninnikov, and Nikolay Pavlovich Kalikov

Fotogrammetriya (Photogrammetry) 2d ed., rev. and enl. Moscow, Geodezizdat, 1960.
531 p. 3,500 copies printed.

Ed.: O. B. Normandskaya; Tech. Ed.: V. V. Romanova; Ed. of Publishing House:
F. I. Khromchenko.

PURPOSE: This book is intended to serve as a manual for photogrammetrists and as
a text for students in photogrammetry.

COVERAGE: The book gives detailed instructions for performing various photo-
grammetric operations and an explanation of the theory underlying those oper-
ations. It also contains the basic geometry of aerial photos and ground-
photo relationships. The basic principles of the most important photogram-
metric instruments are described. The aerial camera, aerial photography, and
terrestrial photogrammetry are treated briefly. Sections 5-57, 73-75, 98-135,
138-140, 143-144, and 152 were written by Candidate of Technical Sciences
N. P. Kozhevnikov; sections 63-72, 76-80, 94-96, 136-137, 141-142, 145-151,

Card 1/17

Photogrammetry

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153-157, and 158-170 by Candidate of Technical Sciences G. D. Krasheninnikov; sections 1-4, 58-62, 81-93, 97, and 171-172 by Candidate of Technical Sciences N. P. Kalikov. The author thanks K. N. Gertsenova and O. B. Normand-skayn. There are 46 references: 44 Soviet and 2 German.

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1. The subject of photogrammetry and its mission	5
2. The aerial camera. Aerial survey work	6
3. Methods of making topographic maps from aerial surveys	9
4. Brief notes on the development of aerial mapping in the USSR	11

Card 2A7

KRASHENINNIKOV G. D.

88227

S/006/60/000/012/001/002
B012/B063

7/100

AUTHORS:

Krasheninnikov, G. D., Candidate of Technical Sciences,
Sergeyeva, K. S.

TITLE: Results of Laboratory Tests of the C₁-1 (SD-1) Stereograph

PERIODICAL: Geodeziya i kartografiya, 1960, No. 12, pp. 11 - 20

TEXT: The first lot of C₁-1 (SD-1) stereographs, a new universal spectrophotogrammetric instrument, has been produced by Eksperimental'nyy optiko-mekhanicheskiy zavod (EOMZ) (Experimental Optical and Mechanical Works) early in 1959. The new universal instrument, its design and mode of operation are described in an article by Professor F. V. Drobyshev (Ref., footnote p. 11). One of the instruments was tested in the laboratory of TsNIIGAiK. In February 1960 another, improved instrument was tested by TsNIIGAiK. The instruments were installed and adjusted by V. I. Semenov and V. V. Dmitriyev, mechanics of EOMZ, with the participation of Engineer K. S. Sergeyeva. The tests were carried out by Engineer K. S. Sergeyeva under the guidance of the senior scientific worker G. D. Krasheninnikov.

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Results of Laboratory Tests of the
СЛ-1 (SD-1) Stereograph

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They included: 1) determination of the instrument accuracy according to a net model and according to air-survey models designed under the supervision of G. A. Oshurkov; 2) study of the accuracy of the survey of point coordinates and altitudes according to air photographs of a mountainous and high-mountain area; 3) determination of the technical and economic efficiency of the instrument. The tests under 2) were made according to air photographs of an object of Sredne-Aziatskoye aerogeodezicheskoye predpriyatiye ((Soviet) Central Asia Aerogeodetic Enterprise). The tests lead to the following conclusions: The instrument is adequate for compiling topographic maps on a scale of 1:25,000, 1:10,000 and more for plain, hilly, and mountainous areas. 2) The photographic scale should be half as large as the scale of the map to be compiled. 3) The accuracy of coordinate and altitude surveying meets all requirements. 4) The point altitude difference within the range of the pair of stereoscopic pictures is ≈ 0.3 H. 5) When compiling maps of high-mountain areas, this stereograph can be used to evaluate the pairs of stereoscopic pictures according to zones. 6) For the orientation of air photographs on the stereograph, the picture holder is to be placed horizontally and the linear eccentricities,

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Results of Laboratory Tests of the
C₁-1 (SD-1) Stereograph

S/006/60/000/012/001/002
B012/B063

Δx and Δy , are to be introduced into the right-hand and left-hand air photographs. 7) The correction ΔF_1 due to the deviation from the theoretical point of turn of the correction plane, which is to be introduced when evaluating air photographs, must not be introduced directly in the instrument. This correction is to be considered in all cases where $\Delta F_1 > 0.06$ by changing the coefficient K of the model transformation.

Finally, some recommendations are made for improving the design of the instrument. There are 3 figures, 5 tables, and 1 Soviet reference.

Card 3/3

KRASHENINNIKOV, G.D.; SERGEYEVA, K.S.; SOKOLOVA, N.A., red.;
VASIL'IEVA, V.I., red. izd-va; VORONOVA, V.V., tekhn. red.

[Handbook on the operation of the SD-1 stereograph] Posobie
po rabote na stereografo SD-1. Moskva, Geodezizdat, 1961.
(MIKA 15:7)
87 p.
(Aerial photogrammetry)

KRASHENINNIKOV, G.D.

Some problems in photogrammetric processing of aerial photographs
on the stereograph. Geod. i kart. no.11:34-39 N '61.
(MIRA 15:1)
(Aerial photogrammetry)

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